Amendments to the Specification:

Please replace the paragraph beginning at page 6, line 26 with the following amended paragraph:

Referring now to FIG. 2, the server process 18 14 is preferably executed on the server computer 12 but could be executed on the client 32. The server process 18 14 is responsive to a user input query 48. The user input query 48 would typically include minimal information needed to determine the set of pricing solutions. This information typically requires at a minimum an origin and a destination for travel. In addition, the information could also include times, dates and so forth. This query is fed to the scheduler process 16 that produces a large number of itineraries, that is, sequences of flight segments between the origin and destination of each slice of a journey. The scheduler process provides the itineraries to a faring process 18. The faring process provides a set of pricing solutions by finding valid fares corresponding to the itineraries produced by the scheduler process 16. The faring process 18 validates the fares for inclusion in the set of pricing solutions.

Please replace the paragraph beginning at page 7, line 11 with the following amended paragraph:

The server process 18 14 also includes an availability predictor 65 that is used to determine airline seat availability. The availability predictor 65 can be accessed after or during the scheduler process 16, faring process 18, or within the client system 58 to determine the availability of seats on a particular flight of a particular airline. The availability predictor 65 can be implemented using various techniques, as will be described below, which may include producing actual queries that are sent to an airline availability system 66. The answers received from the queries can be used to train the availability predictor 65. From the pricing solution information 38 and the availability information provided from the availability predictor 65, a client system or other system can access 58 a booking system 62 to issue a ticket for a customer.